

1/16

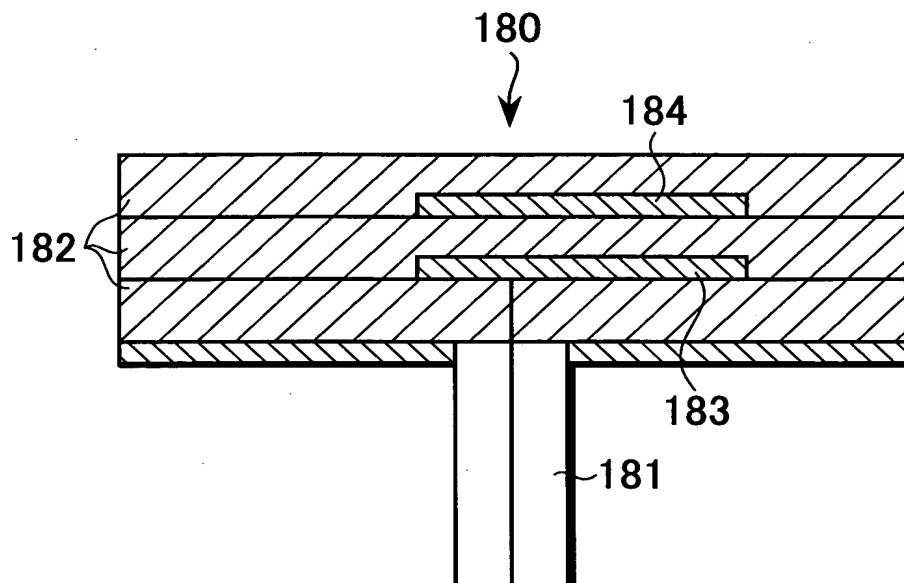
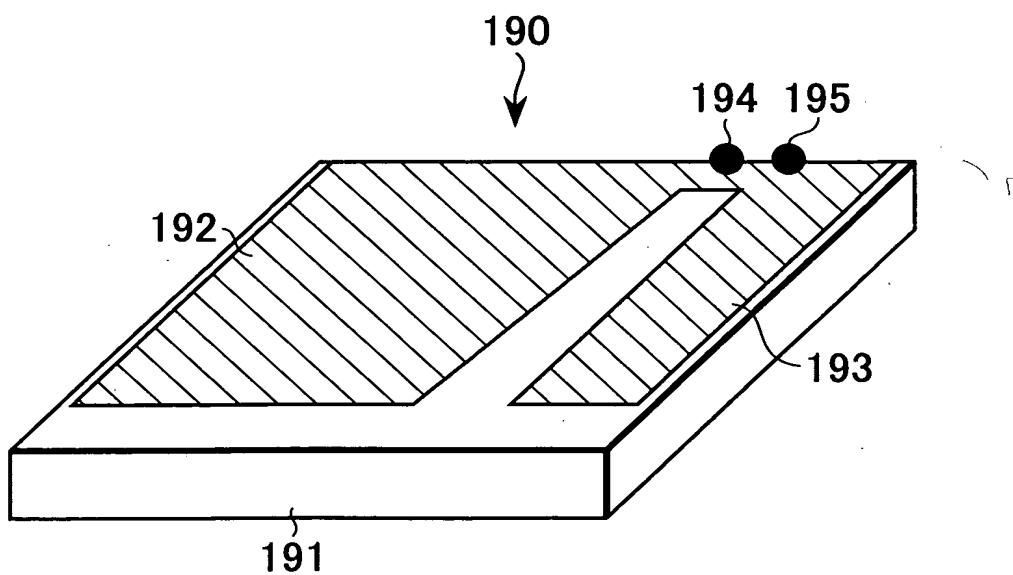
FIG.1**FIG.2**

FIG.3

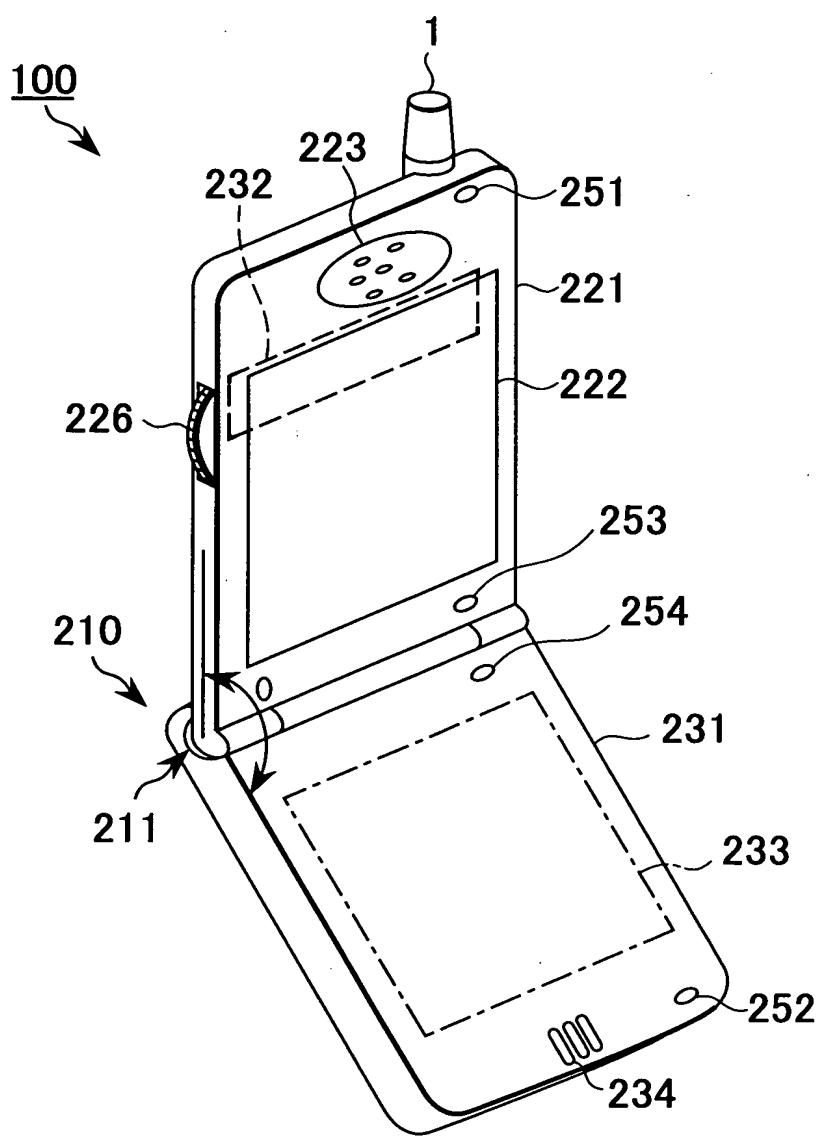


FIG.4

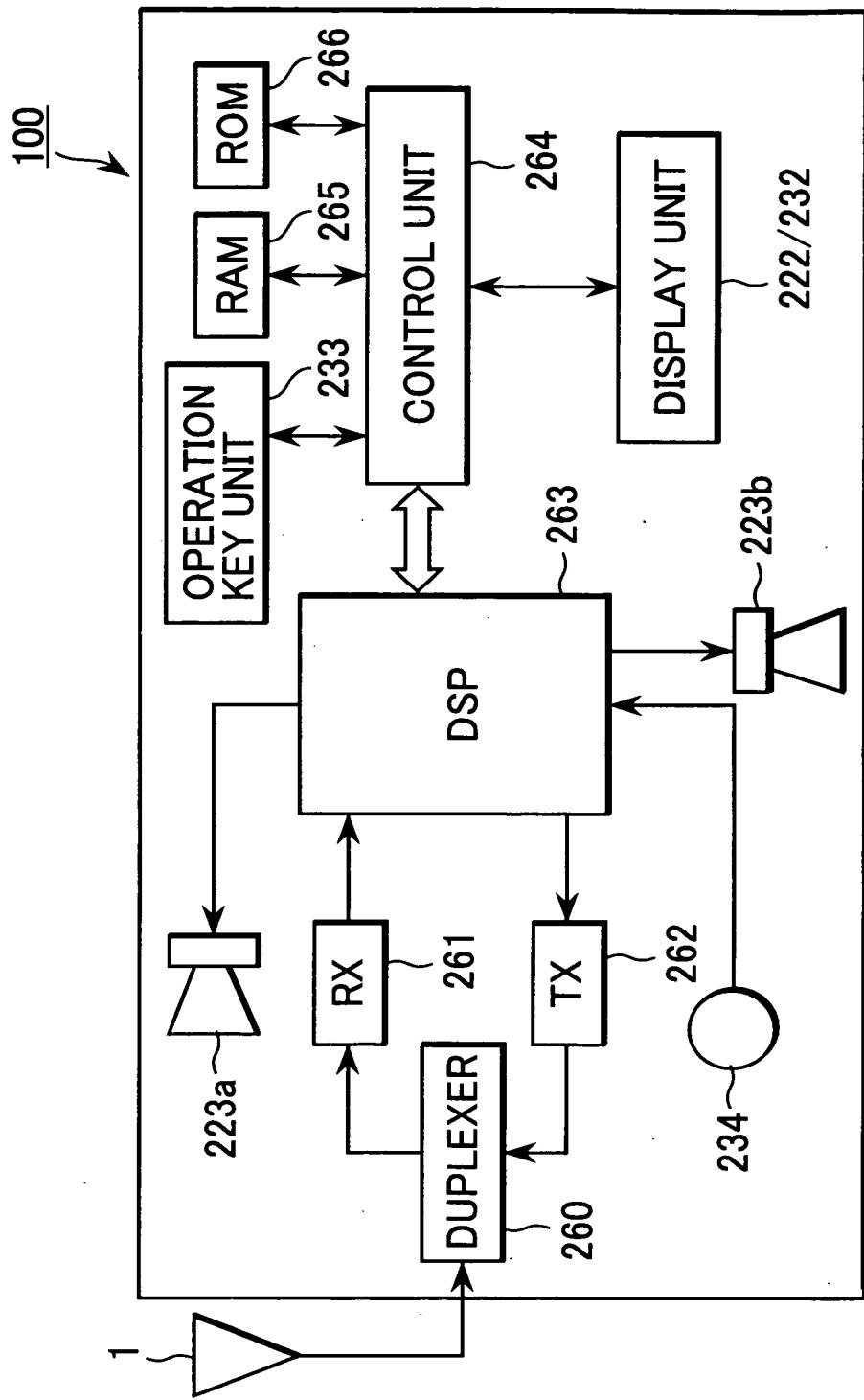


FIG.5

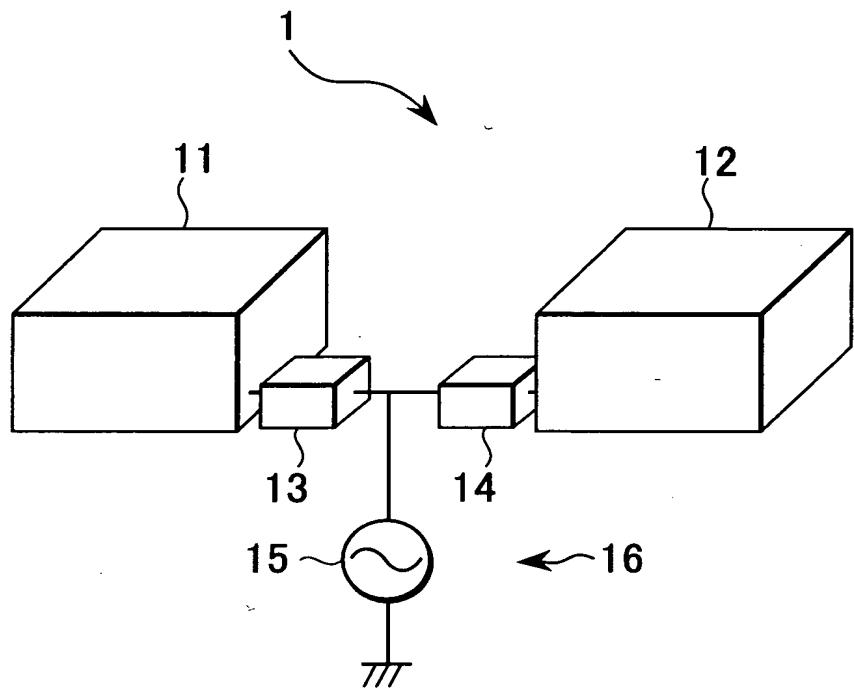


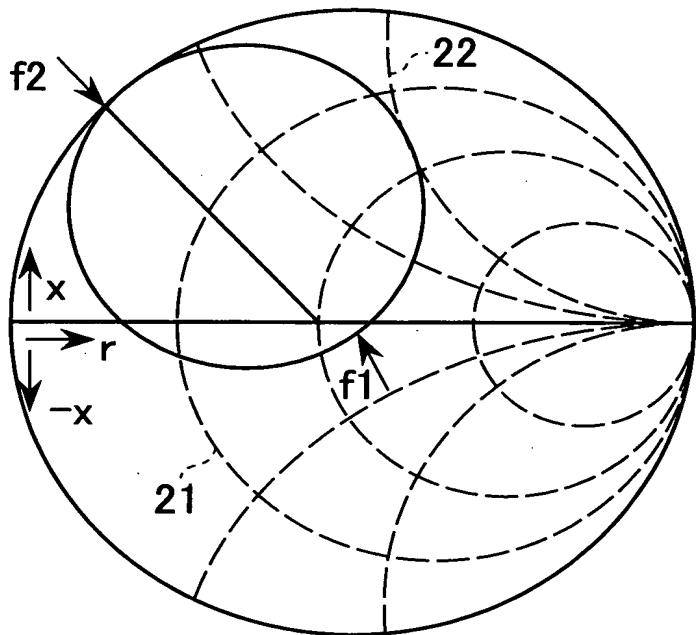
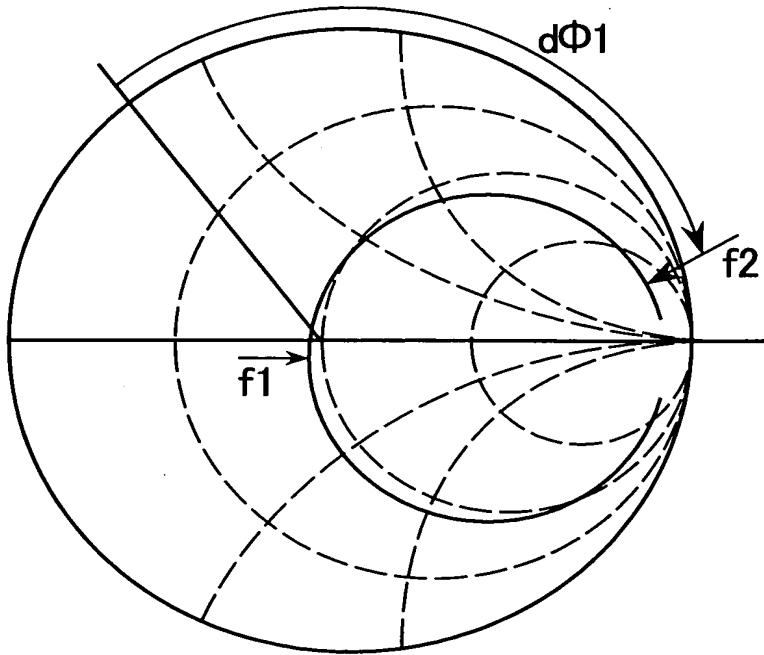
FIG.6A**FIG.6B**

FIG.7A

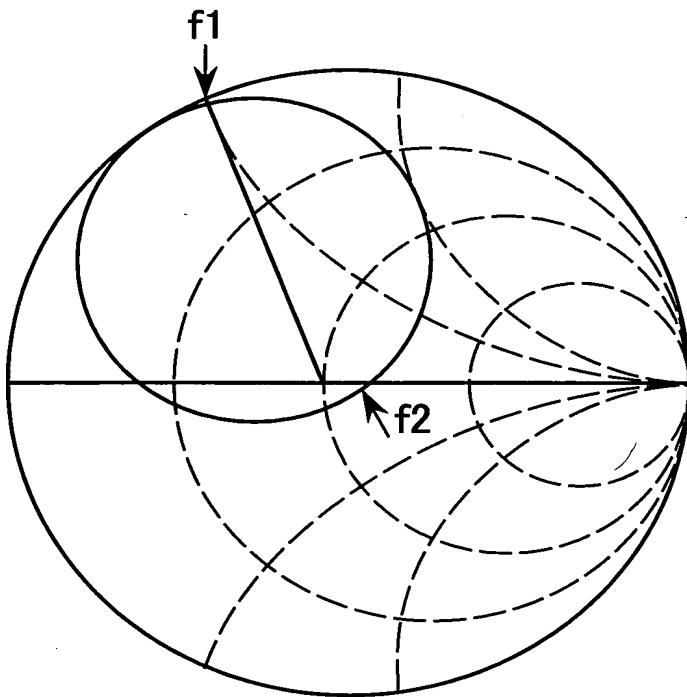
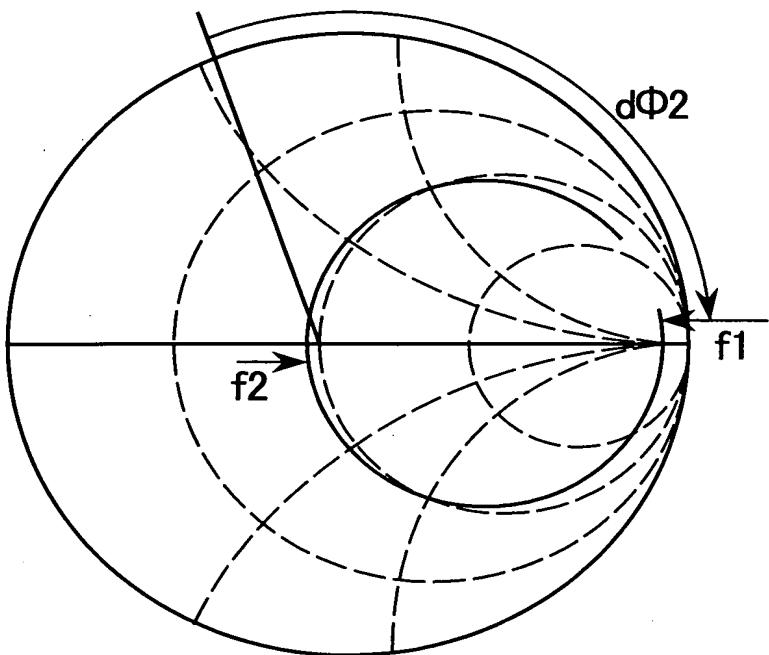


FIG.7B



7/16

FIG.8

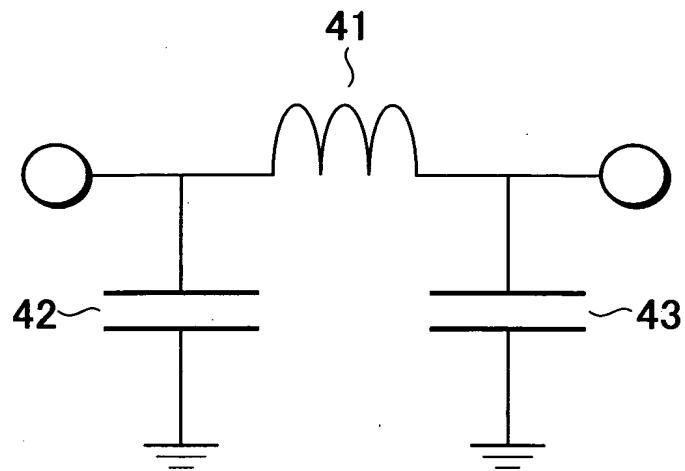
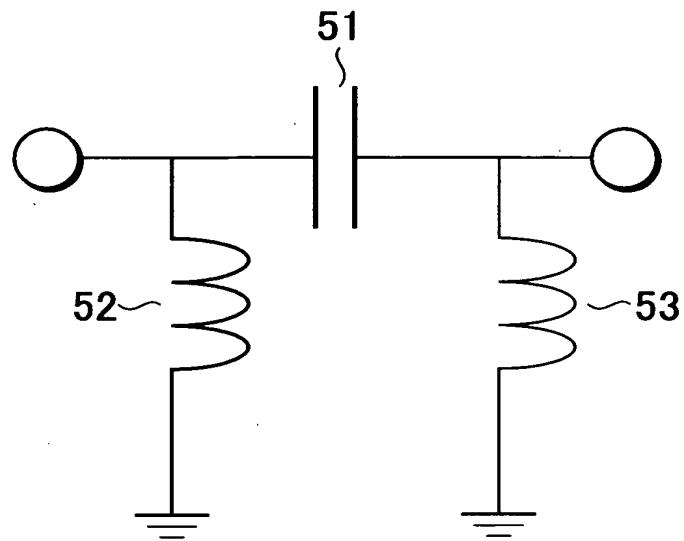


FIG.9



8/16

FIG.10

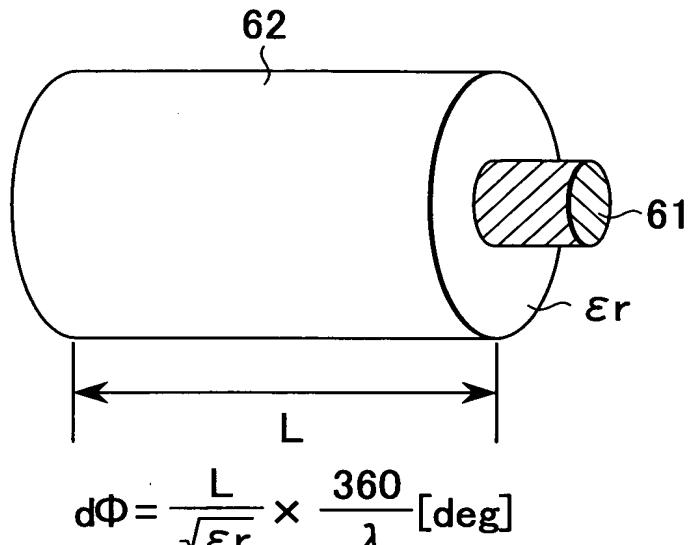
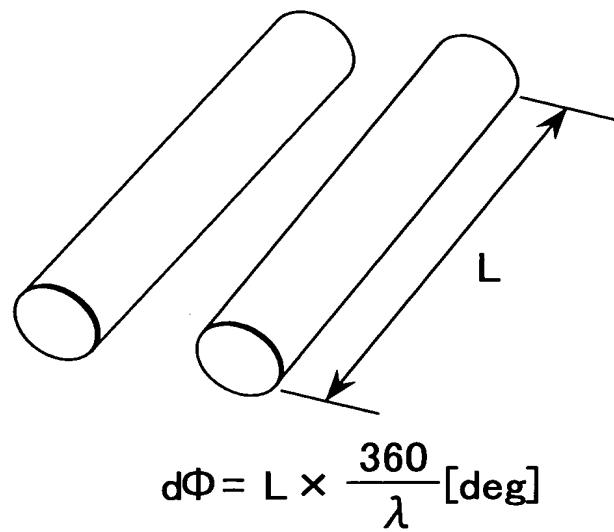
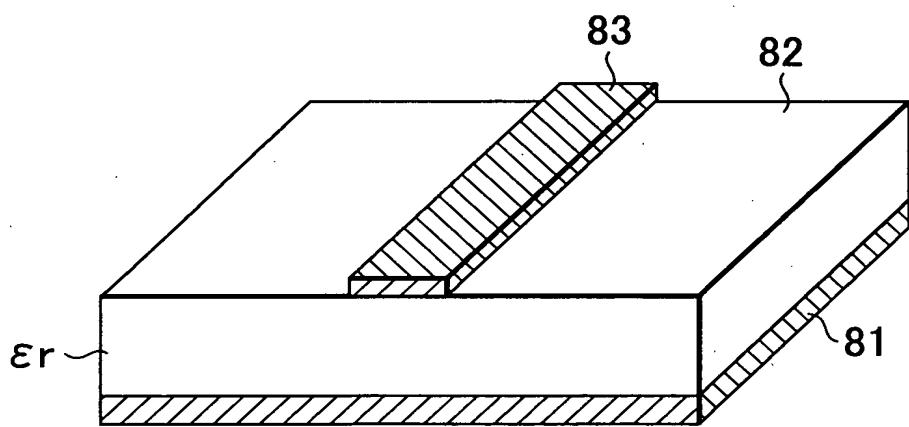


FIG.11

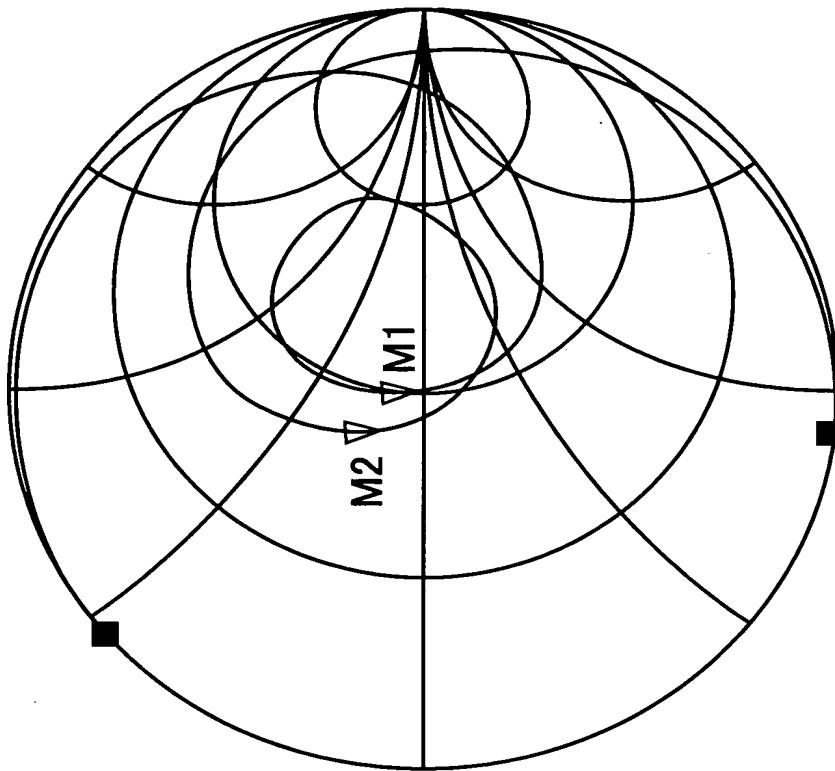


9/16

FIG.12



$$d\Phi = \frac{L}{\sqrt{\epsilon_{eff}}} \times \frac{360}{\lambda} [\text{deg}]$$

FIG. 13**M1:**

$$f_1 = 1.9500E+09 \text{ [Hz]}$$

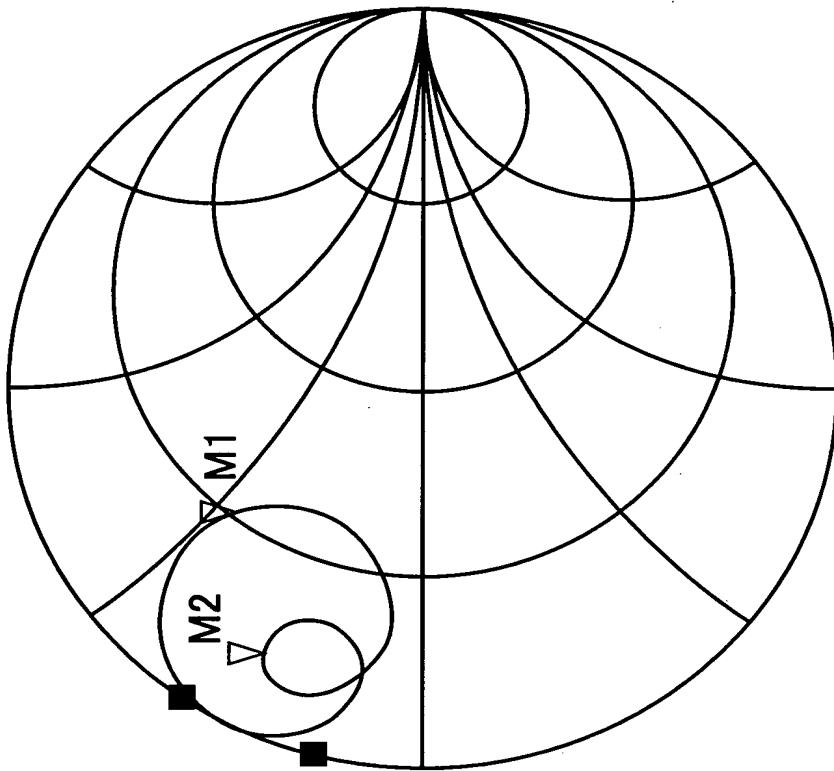
$$Z_1 = Z_0 * (997.57E-03 - j49.568E-03) [\Omega]$$

M2:

$$f_2 = 2.1400E+09 \text{ [Hz]}$$

$$Z_2 = Z_0 * (814.07E-03 + j148.27E-03) [\Omega]$$

FIG. 14



M1:
 $f_1 = 1.9500E+09$ [Hz]
 $Z_1 = Z_0 * (360.50E-03 + j462.72E-03)$ [Ω]

M2:
 $f_2 = 2.1400E+09$ [Hz]
 $Z_2 = Z_0 * (129.21E-03 + j254.14E-03)$ [Hz]

FIG. 15

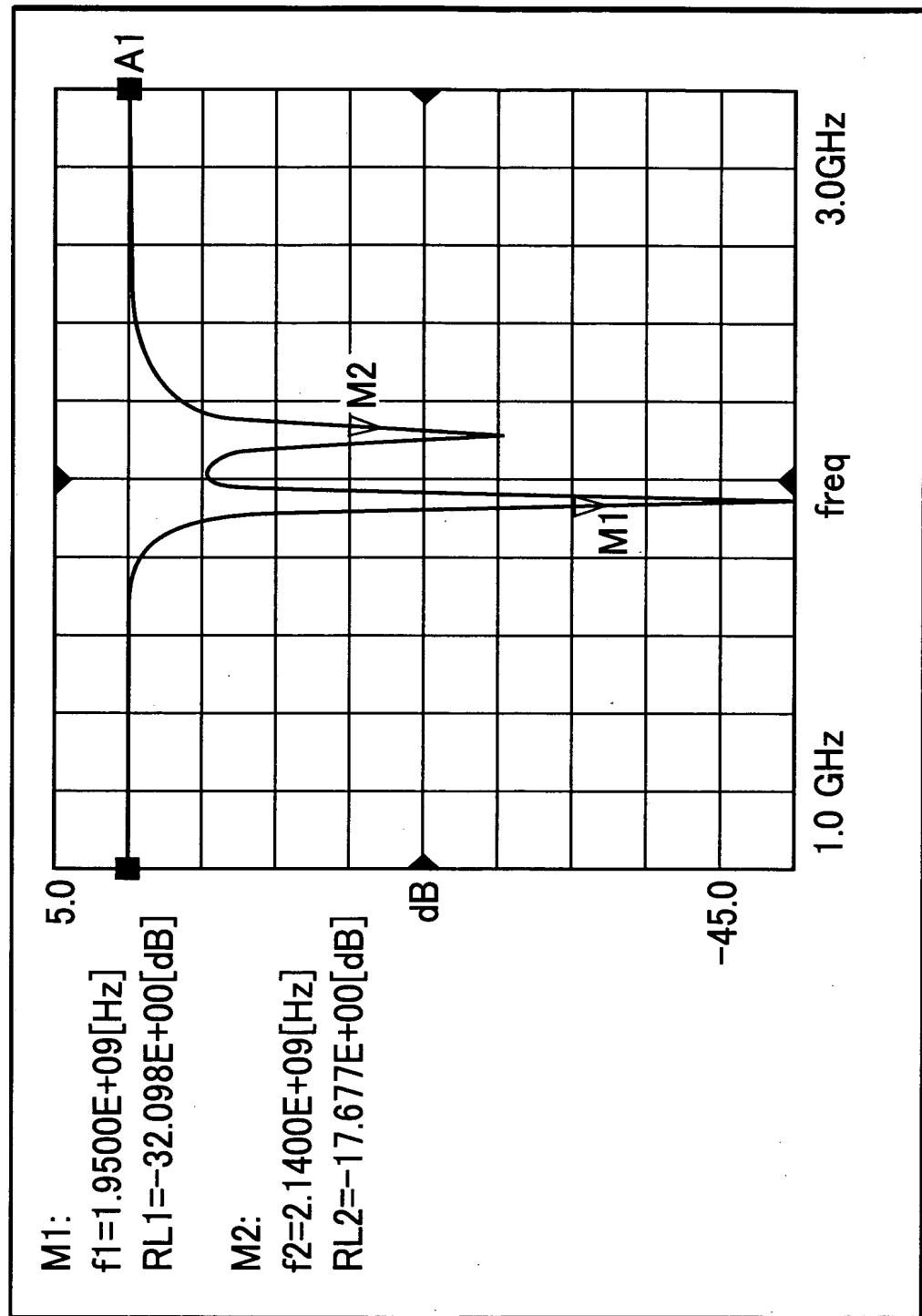
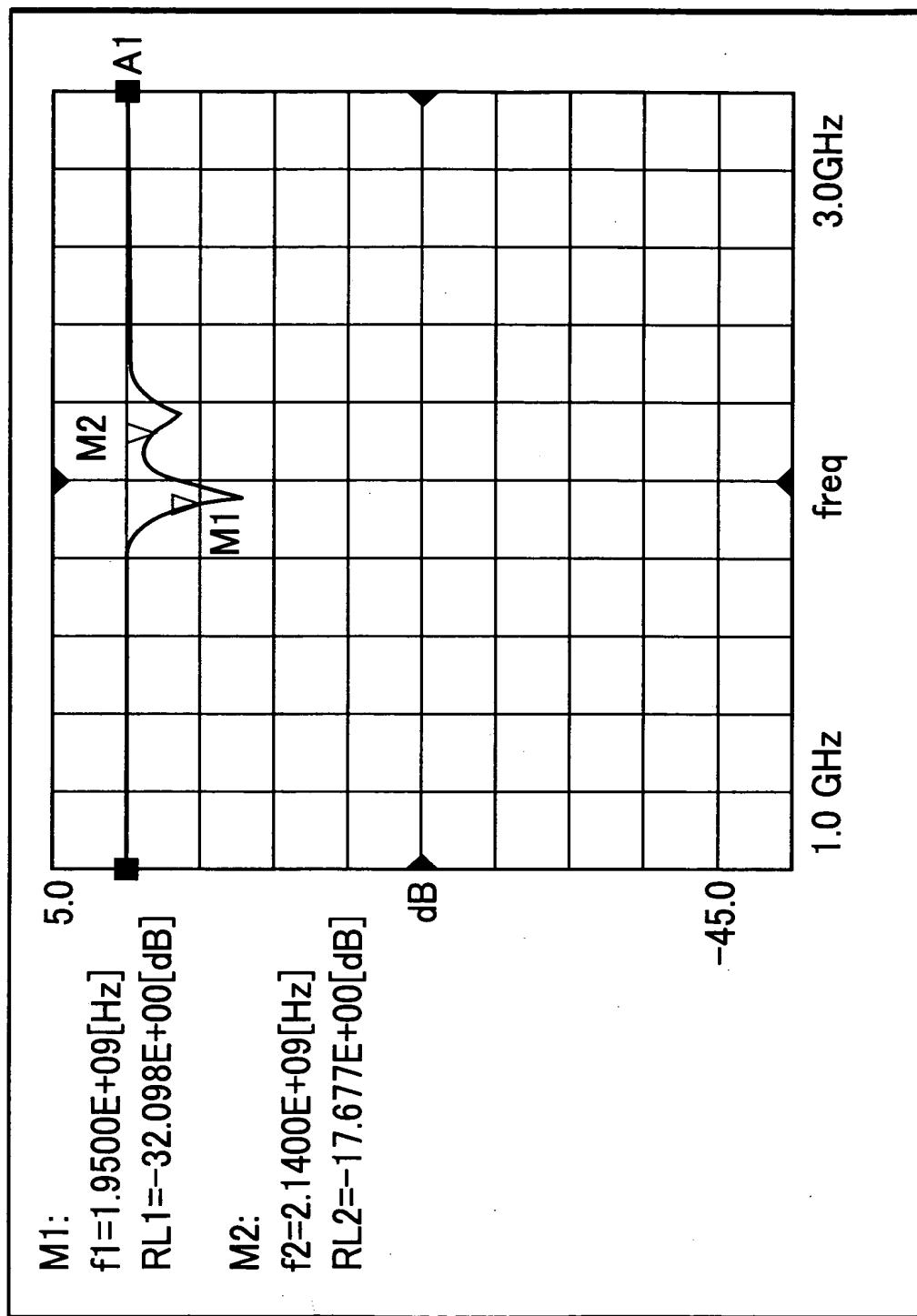


FIG. 16



14/16

FIG.17

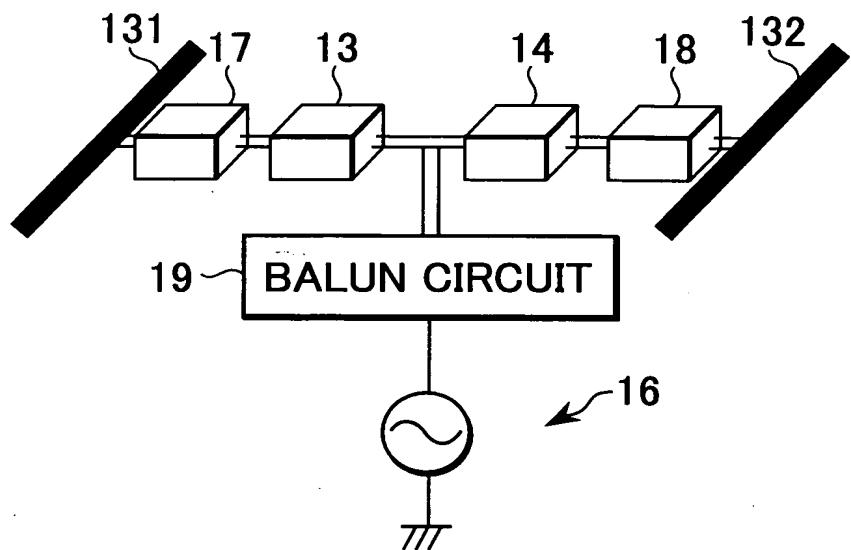


FIG.18

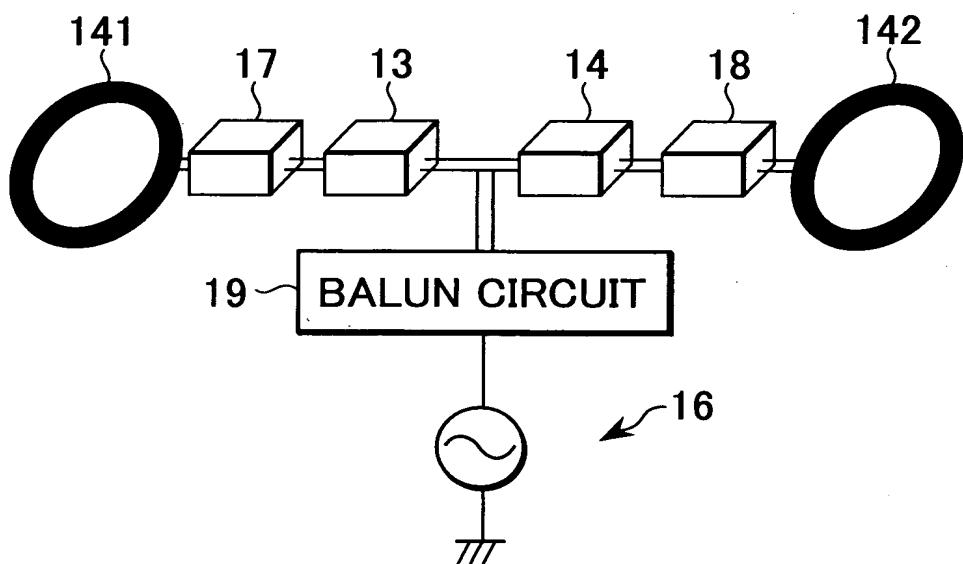


FIG.19

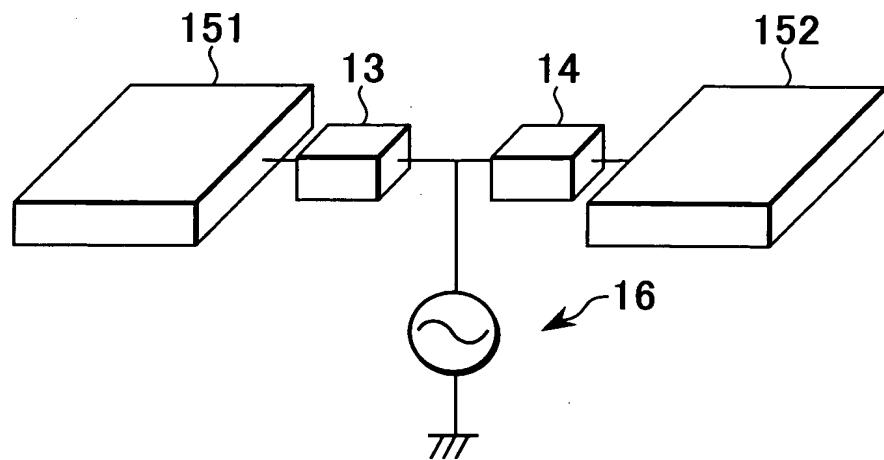
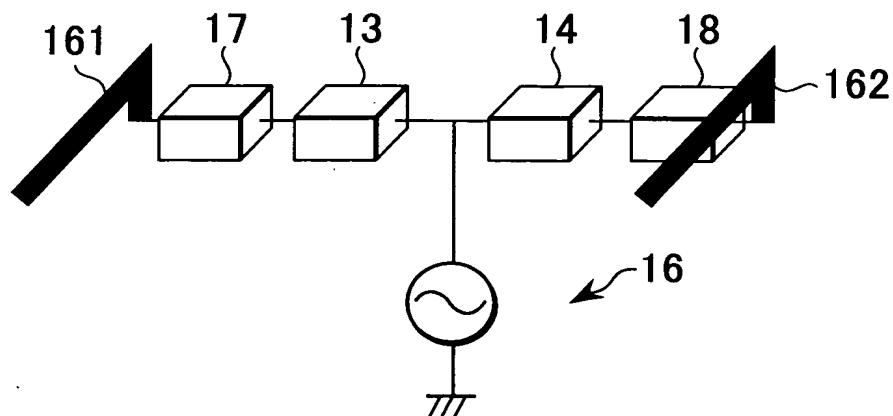


FIG.20



16/16

FIG.21

171
17
13
14
18
172

